

**Health**

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Santé

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the month of August 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of August 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **551** new infections occurring across 28 communicable diseases** (excluding sexually transmitted infections and HIV) in August 2008. The observed numbers of cases were within the statistically expected range for all of the reported communicable diseases with the exception of the following diseases:

- Cryptosporidiosis - 21 cases reported, 0 to 20 cases expected per month
- Methicillin-resistant *Staphylococcus aureus* (MRSA) – 309 positive lab isolates on individual cases reported, 3 to 261 expected per month
- Shigellosis – 4 cases reported, 0 to 3 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases July, August and September, 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 69% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living during August. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **603** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in August:

- 497 cases of chlamydia (Ct)
- 62 cases of gonorrhoea (GC)
- 40 co-infections of Ct and GC and
- 4 cases of syphilis

Forty-seven percent of all Ct cases in the province were reported among females of age group 15-24 years. 51% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 16% were from the Burntwood Health Region.

In August, 23 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Seven Manitobans tested positive for HIV in August. A new case of HIV infection is defined as a positive test with a unique code that has not been previously associated with a positive test result in Manitoba. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in August were predominantly male, between 30 and 69 years of age.

***Note:** Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

****Note:** The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are not referred out for public health follow-up:

- Ascariasis (ICD9: 127.0)
- Leishmaniasis – unspecified (ICD9: 085.9)
- Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are referred out to public health for information only:

- Viral Meningitis – CoxSackie
- Viral Meningitis – Echo
- Viral Meningitis – Entero
- Viral Meningitis – H. simplex (Epstein Barr, CSF only)

All other diseases are referred out for further public health follow-up and investigation

Please feel free to contact me should you have any questions about this report.
Thank you.

Sincerely,

Myrna Dyck

BN, MSc

Epidemiologist, Communicable Diseases
Public Health Surveillance System
Manitoba Health and Healthy Living

SUMMARY OF COMMUNICABLE DISEASE FOR August 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	2	2	2	0-4	33	24
022	ANTHRAX				***		
127.0	ASCARIASIS	1		0	0-1	1	
005.8	B. CEREUS			0	0-1	2	1
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	3	1
320.7	BAC.MENINGITIS-LISTERIA				***		
038.0	BETA STREP SEPTICEMIA	9	17		***	67	86
116.0	BLASTOMYCOSIS		1		***	13	8
005.1	BOTULISM				***		
023	BRUCELLOSIS	1		0	0-1	1	
005.2	C. PERFRINGENS	2		1	0-6	5	
008.43	CAMPYLOBACTER	25	23	27	17-37	158	139
558.2	CLOSTRIDIUM DIFFICILE	66	73		***	695	581
046.1	CREUTZFELD-JACOB DISEASE				***		1
007.8	CRYPTOSPORIDIOSIS	26	21	7	0-20	45	32
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		4
032	DIPHThERIA CASES			0	0-1		1
123.4	DIPHYLLOBOTHRIUM SPP	5	4	1	0-4	12	5
008.0	E. COLI-VEROTOXIGENIC	7	2	12	0-34	35	24
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	12	10	14	4-24	77	88
041.5	H.I.B.-NON MTGS			0	0-1		1
041.59	HAEM. INFLUENZAE (non-B)		1		***	7	9
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A	1	1	1	0-3	7	9
070.3	HEPATITIS B			1	0-3	4	2
070.51	HEPATITIS C	22	23	30	20-40	219	244
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B				***	1	44
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		2	0	0-1		4
088.81	LYME DISEASE	3	1	1	0-3	6	4
084	MALARIA	1	1	1	0-3	9	7
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD	1		0	0-1	1	2
B95.6	MRSA	250	309	132	3-261	1330	1529
072.9	MUMPS	2		1	0-3	7	
036.89	N.MENINGITIDIS OTHER			0	0-0		3
728.86	NECROTIZING FASCIITIS		4	1	0-4	10	12
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1		3	0-8	15	14
038.2	PNEUM. SEPTICEMIA	4	8	6	0-12	60	83
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
083.0	Q FEVER			0	0-1		1
056.9	RUBELLA			0	0-0	2	
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER		1	0	0-2	2	2
003.0	SALMONELLA	24	17	16	8-24	158	176
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1	4	1	0-3	10	17
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-1		
785.5	STAPH TOXIC SHOCK				***	1	2
481.9	STREP PNEUMONIA - PR			0	0-0		1
041.1	STREP PYOGENES - OTHER STER	3	2		***	24	23
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	3	2
127.2	STRONGYLOIDES	2		0	0-1	15	3
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			0	0-0		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-1	1	
013	TUBERCULOSIS - NON-RESP.	1	2	3	0-5	11	14
011	TUBERCULOSIS - RESP.	10	10	9	0-15	60	76
010	TUBERCULOSIS-PRIM.		1	1	0-3	3	5
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	7		***	33	50
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
198	WNV NEUROLOGICAL SYNDROME	53	1		***	71	2
008.44	YERSINIA ENTEROCOLITICA	1	3	1	0-3	8	5
		540	551			3302	3422

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR August 2008

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS																	1		1									2
038.0	BETA STREP SEPTICEMIA		1									1	1					1	2		3	1	2		2	1	2		17
116.0	BLASTOMYCOSIS																			1									1
008.43	CAMPYLOBACTER			1	2								2	3	1	2		4	2	2	1	1			1	1			23
558.2	CLOSTRIDIUM DIFFICILE				2							4	2		1	1	2	4	2	5	7	2	8	6	5	12	10		73
007.8	CRYPTOSPORIDIOSIS			3	6	1	3	1		2		1				2	2												21
123.4	DIPHYLLOBOTHRIUM													1				1	1	1									4
008.0	E.COLI 0157											1		1															2
007.1	GIARDIA LAMBLIA				1		1			1		1		1	2			1	1	1									10
041.59	HAEM. INFLUENZAE (non-B)																	1											1
070.1	HEPATITIS A		1																										1
070.51	HEPATITIS C										1		3	1	2	3	1	2	3	4		1	1				1		23
027.0	LISTERIA MONOCYTOGENES																			1		1							2
088.81	LYME DISEASE																	1											1
084	MALARIA																					1							1
B95.6	MRSA	6	9	16	18	14	14	9	9	11	17	9	6	8	7	23	17	13	26	9	12	7	8	2	11	17	11		309
728.86	NECROTIZING FASCIITIS									1										1	1			1					4
038.2	PNEUM. SEPTICEMIA				2						1							1			1	1	1			1			8
003.0	SALMONELLA			2	1	1	2	1		1						1		1	1	2	3						1		17
004	SHIGELLOSIS				1	1	1						1																4
041.1	STREP PYOGENES - OTHER ST																			1	1								2
041.2	STREP.PNEUM.OTHER																	1											1
013	TUBERCULOSIS - NONRESP															1								1					2
010	TUBERCULOSIS - PRIM				1																								1
011	TUBERCULOSIS - RESP									1							3	2	1		2		1						10
B96.8	VANCOMYCIN RES. ENTER.										1									2	1		1				2		7

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
198	WNV Neurological Syndrome																					1				1			2
008.44	YERSINIA ENTEROCOLITICA			1		1														1									3
		6	11	23	34	18	21	11	9	17	19	16	14	14	13	34	27	28	42	28	39	13	25	11	19	32	27		552

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR August 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	1									1												2
038.0	BETA STREP SEPTICEMIA	11			1		1		1										2		1		17
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	10	2				1		1		3		3				1		1		1		23
558.2	CLOSTRIDIUM DIFFICILE	45	2		1		1		10		5		2		4		2	1					73
007.8	CRYPTOSPORIDIOSIS	5	1				1		1				1		1		9		2				21
123.4	DIPHYLLOBOTHRIUM	1					1		1								1						4
008.0	E.COLI 0157	1									1												2
007.1	GIARDIA LAMBLIA	6			1		1				1		1										10
041.59	HAEM. INFLUENZAE (non-B)	1																					1
070.1	HEPATITIS A																		1				1
070.51	HEPATITIS C	13			1		1	1	1	1	1	1	1				1				1		23
027.0	LISTERIA MONOCYTOGENES	1											1										2
088.81	LYME DISEASE	1																					1
084	MALARIA	1																					1
B95.6	MRSA	96	11	1	2		2		12		8		5		11	1	15	77	67	1			309
728.86	NECROTIZING FASCIITIS	4																					4
038.2	PNEUM. SEPTICEMIA	5																	3				8
003.0	SALMONELLA	8			2		3		1		2				1								17
004	SHIGELLOSIS	1															3						4
041.1	STREP PYOGENES - OTHER	2																					2
041.2	STREP.PNEUM.OTHER																	1					1
013	TUBERCULOSIS - NONRESP	1									1												2
010	TUBERCULOSIS - PRIM																	1					1
011	TUBERCULOSIS - RESP	5					1											3	1				10
B96.8	VANCOMYCIN RES. ENTER.	5									1		1										7
198	WNV Neurological Syndrome								1				1										2
008.44	YERSINIA ENTEROCOLITICA	1			1		1																3

* F=Federal Jurisdiction (First Nations and Inuit Health) P=Provincial Jurisdiction

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
		226	16	1	9	1	13	1	30	1	24	1	15		17	1	32	83	77	1	2	1	552

* F=Federal Jurisdiction (First Nations and Inuit Health) P=Provincial Jurisdiction

STD Infection Summary Report - August 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	526	537	3269	4601
All Gonorrhea Infections (including PRNG)	143	102	932	984
All Syphilis Infections	8	4	34	31
Gonorrhea & Chlamydia Co-infections	55	40	364	436
HIV	7	7	54	63

Total Number of STD Cases by Age and Gender - August 2008

Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases		1					5		122	28	113	43	53	37	36	34	10	12	1	1		1						497
Gonorrhea Only Cases							1	10	4	10	7	9	3	4	10		2				1		1					62
Syphilis Only Cases													1		1				1		1							4
GC and CT Cases								8	3	7	8	2	4	1	4		2				1							40
		1					5	1	140	35	130	58	64	45	41	49	10	16	1	2		4		1				603
HIV																2	1	3				1						7

Regional STD Distribution - August 2008

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	276	23	18	5		8	4	14		21		26	4	15	1	29	66	21	1	5		537
All Gonorrhea Infections	49	2	5	2			1		1	3		2		1		5	28	2		1		102
All Syphilis Infections	4																					4
GC and CT Infections	16	2	2	1			1			2		1			1	12	1			1		40

* F=Federal Jurisdiction (includes First Nations and Inuit Health) P=Provincial Jurisdiction